

# The Cary Arboretum



of The New York Botanical Garden

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## Farewell, Good Friend . . . Ecologist Gus Tillman Resigns to Take Job With UN

by Robin Parow-Place

With a mixture of sadness and well-wishes for a fulfilling career and continued success, Cary Arboretum staff members bade farewell to Dr. Robert (Gus) Tillman in mid-September. A member of the Arboretum family since 1973, Dr. Tillman resigned in late summer to accept the position of Project Director for the United Nations Center for Human Settlements (HABITAT) in Nairobi, Kenya.

That a new position would take Gus to a third-world location is both understandable and consistent with his work in recent years. Since 1974, special assignments have taken him literally around the world on projects to investigate and solve ecological problems.

One major project in 1980 enabled him to develop environmental guidelines for world-wide large and small scale irrigation programs. Supported by the U.S. AID (Agency for International Development) and the Man and Biosphere Program (MAB), which operates under the auspices of UNESCO (United Nations Education, Scientific and Cultural Organization), the project involved 45 days of field work in 20 different countries, with a total of 35,279 miles traveled. Senegal and other West African countries, Sahel, Bangladesh, regions of the Middle East, and Israel were among the countries included in the study. More recently, he was named Chief Technical Advisor for HABITAT to develop and implement by 1983 an environmental assessment methodology for Mexico City. Throughout his nine-year term at the Arboretum, Gus conducted similar environmental assessments under several different sponsorships and guidelines.

Originally appointed to the Arboretum as Coordinator of Wildlife Resources, Gus spent his first few years at Cary focusing on environmental management, which, he said, was closely tied to "people management and people communications. To neglect the human and political aspects, when looking at the environmental picture, will doom any project at the very outset," he once said, "because recommendations that the social system proves incapable of handling will not be carried out."



Gus Tillman

Bernard Heyman, Photographer

A native of Hammondsport in the heart of New York State's famous wine country, Gus majored in the social sciences. He received his Master's degree from SUNY, Albany, and his Doctorate in environmental education and wildlife management from Cornell University.

His involvement with the Consolidated Edison Company as a consultant during the construction of a 28-mile power line through Orange and Rockland Counties in the early 1970's brought positive attention to the Arboretum in its developmental years. Upon completion, the power line was named one of the most environmentally sound ever con-

## Cary Receives Museum Accreditation

The New York Botanical Garden Cary Arboretum has been awarded accreditation by the American Association of Museums. Of the more than 5,000 museums in the United States, only 511 are now afforded this recognition by the AAM, the national service organization for museums.

In making the announcement, Arboretum Director Dr. Willard Payne said, "We are delighted to have accreditation as a major educational facility and museum, dedicated to serving the people of this area and throughout the scientific world. The comments of the AAM review team will be useful for planning programs and facilities here. We are also very grateful to community supporters and volunteers who have helped implement programs that influence the nature of the work and facilities at the Cary Arboretum."

Museum accreditation certifies that an institution has successfully completed the rigorous professional peer review established by the American Association of Museums. Included in the accreditation process are the completion of a detailed written questionnaire, which gives the museum a period of up to one year for self-evaluation and improvement, and an on-site evaluation of the museum by a visiting committee of the AAM Accreditation Commission. Jean M. Weber, director of the Museum of New Mexico, currently serves as Chairman of the Accreditation Commission.

Commenting on the award, Lawrence L. Reger, AAM Director, said, "The Cary Arboretum's successful achievement of accreditation signifies that it is not only meeting professional standards of operation but is using its resources effectively to obtain its stated goals. With the ever-increasing importance to all museums of outside support, public and private, a museum must strive to demonstrate both quality service and efficient management."

The American Association of Museums is a

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structed in New York State. The project was recorded on film, and the movie "Power and the Land," commissioned by Con Edison, helped promote sound environmental management practices.

Also on a local scale, Gus was actively involved in assessing the use and future of ultra-high voltage transmission lines in New York State; developing environmental guidelines for voluntary organizations, and establishing woodlot management programs for homeowners and timber producers.

In retrospect of Gus Tillman's career at Cary Arboretum Director Dr. Willard Payne said: "Few people are capable of making the kinds of analyses and integrations that characterize Dr. Tillman's work. His breadth of experience, his background in humanities and science, his willingness to live for long periods in surroundings entirely different from those of his home, and his immense love for people that wins affection and respect and allows

him to communicate effectively on every level, are seldom blended so potently in an individual."

In Nairobi, Gus will be in charge of initiating and overseeing planning to improve conditions for people while accommodating the often disruptive ecological requirements of the modern world. At his farewell party, Director Payne spoke for all when he said: "At the Cary Arboretum, few other people command the degree of respect, admiration, and love that you do. We respect you for your intelligence and wisdom, and for your ability to use them effectively. We admire you for your dedication to principles, and for your understanding of the human condition. We love you because you are able to receive the love of others and return it to them as a professional and with personal joy." Good luck, Gus, and best wishes as you seek to help the leaders of the world provide sound, ecologically balanced systems for everyone everywhere.

## Resource Directory in the Making

Those seeking information on the ecology and natural history of the Hudson River will have access to a valuable resource directory next year as a result of a project undertaken recently at the Cary Arboretum.

The directory will be the first edition of a resource guide containing a comprehensive listing of institutions, organizations and individuals possessing relevant information or other materials concerning ecology of the Hudson River. Dutchess, Columbia, Ulster, Rockland, Putnam, Orange and Westchester Counties will be covered in the guide.

Mrs. Betsy Calvin, Arboretum Librarian, will oversee the project, scheduled for completion

in September, 1983. The directory will be edited and indexed by use of the IBM 4341 computer at Marist College. The project, funded by a generous grant from the James J. McCann Foundation, will be of great value to students and researchers concerned with the past, present and future of the Hudson River and its surrounding areas.

## Certificate Programs Off and Running

Three New York Botanical Garden Certificate Programs are underway at the Cary Arboretum, with enthusiastic student and instructor response.

Under the direction of Arboretum Education Coordinator Dr. Peter Dykeman, programs in Landscape Design, Horticultural Therapy and Gardening are providing the background for students to work towards NYBG certificates over a period of up to two years. These certificates have been used by many individuals in preparation for entry-level positions in plant-related occupations, and to enhance job skills for salary potential in their current positions.

Taught by Arboretum staff and local experts, the three programs have a total enrollment of 122 students. According to Dr. Dykeman,

participants in the programs need not work towards a certificate. "Many people are taking the course for sheer enjoyment," he says, "and that alone is an excellent reason to take part in the programs."

Limited registrations are being accepted for certain programs that will begin in the spring of 1983. For more information on these and other education programs at the Arboretum, call (914) 677-5358.

*Planting Bulbs — One of the topics addressed in the NYBG Gardening Certificate Program.*

## Director's Notes

by Willard W. Payne

### Arboretum To Develop Bird List

Many of the people who visit the Arboretum are interested in its birds. Those who have not engaged seriously in bird watching can scarcely comprehend this amiable hunting enthusiasm shared by so large a proportion of the world's population. To those of us who are serious about it, few out-of-doors activities bring more pleasure than sighting bird species with which you are familiar or finding that elusive rarity seldom seen. To encounter a new species for the first time typically results in recording the event in one's life list that evermore recalls the place and occasion with a little pleasurable increase in the heart rate.

The Arboretum grounds have been part of the Eastern Bluebird Trail for several years. Local residents and members of the Ralph T. Waterman Bird Club of Dutchess County build, install, and monitor bluebird boxes, accumulating information about successful fledglings, tagging birds, and making the bluebird a common sight along our roads and trails. Birds of prey, including hawks, owls and kestrels, are encouraged by suitable management techniques to help control pests, and their graceful, commanding flights are thrilling even for the novice. Birds of many kinds, from soaring swallows to sedate wild turkeys, offer the visitor opportunity to enhance one's knowledge of the natural world and to take pleasure in learning more about it.

The time has come to prepare a bird list for the Arboretum. This list will stimulate reporting of new sightings of interest, and will give the birder useful information about occurrence, haunts, and seasons for our bird species. We invite you to participate in preparing this first list, and in contributing information in the future to improve it.

If you have a list for the Arboretum, or if you visit the grounds to birdwatch between now and the end of the year, please send your data to the Arboretum addressed to my attention. They will be collated and the list will be available soon after the first of January, 1983. Information should include: 1. Bird species (common name will do); 2. Location on the grounds of your sighting(s); 3. Date(s) or season of sighting.



# Library News

Arboretum Librarian Mrs. Betsy Calvin announces that the following new books have been added to the library's Circulating Collection:

Wolf, Ray.  
*Build-It-Yourself-Solar Gardening Shed.*  
Emmaus, PA: Rodale Press, 1982.

A complete set of plans for a combination tool shed, greenhouse, and potting shed is presented in this book. This is one of the latest in a series of how-to-build books from Rodale and each one has had clearly written text, diagrams and blueprints.

Swain, Roger B.  
*Earthly Pleasures — Tales from a Biologist's Garden.*  
N.Y.: Charles Scribner, 1981.

Leisurely summer reading should include these series of essays by the Science editor of *Horticulture* that were compiled from that magazine. The subjects cover a variety of

horticultural and natural history topics with a blending of philosophy. The black and white illustrations beautifully complement the wonderful stories.

Fukuoka, Masanobu.  
*The One-Straw Revolution.*  
Emmaus, PA: Rodale, 1978.

Organic gardening enthusiasts should read this remarkable book about one Japanese farmer's attempt at turning around traditional methods of growing rice and grain. Mr. Fukuoka is striving to get Japanese farmers to go back to ancient methods of working — very simple ways with the land rather than copying American models of heavy pesticide use and extensive tillage. Highly recommended.

Three children's books, graciously donated to the library by Arboretum members, Mr. and Mrs. Herbert C. Morse of North Carolina, are delightful additions to the Arboretum collection. All are concerned with the plants and animals found in nature and contain

beautiful and scientifically accurate color illustrations of the various species mentioned in the text.

Daly, Kathleen M.  
*Ladybug, Ladybug.*  
Illustrated by Susan Carlton Smith.  
N.Y.: American Heritage Press, 1969.

Itse, Elizabeth M., compiler.  
*Hey Bug! and Other Poems About Little Things.*  
Illustrated by Susan Carlton Smith.  
N.Y.: McGraw-Hill, 1972.

Daly, Kathleen N.  
*A Child's Book of Flowers.*  
Illustrated by Susan Carlton Smith.  
N.Y.: Doubleday and Co., 1976.

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The Cary Arboretum's Library is located on the first floor of the Plant Science Building, Route 44A. Visiting hours are 9 a.m. to 4 p.m. Monday through Friday.

## At the Garden

The New York Botanical Garden's exquisite Enid A. Haupt Conservatory in the Bronx is in full bloom with Kiku Ka Ten: An Exhibition of Japanese Chrysanthemums.

Through November 14, Americans will have the unique opportunity to view this traditional Japanese floral art form that dates back to the 11th Century. Visitors to the Garden's "Crystal Palace" will find more than 100 varieties of the large, showy blossoms grown in many different horticultural patterns.

The plants have been artistically trained over the past eighteen months by Japanese chrysanthemum specialist, Mr. Isao Adachi. The most dramatic kiku (which means cultivated chrysanthemum) is the thousand-bloom culture in which the single stem is trained into a six-to ten-foot-wide umbrella shape on which all blossoms are the same size and bloom simultaneously.

Complementing this special exhibit are related demonstrations and events: On November 11, a seminar titled "The Chrysanthemum in Japanese Art" will be presented from

6:15 to 7:30 p.m. at the Japan Society, 333 E. 47th Street, New York. On November 13, 11 a.m. to noon, Isao Adachi, Chief Horticulturist for kiku, will lead a guided tour of the exhibit. On November 14, the three-week exhibit will close with a presentation of Japanese classical stage dancing at 2 p.m. in the Conservatory.

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## People at the Arboretum



Dee Honkala

Dee Honkala, Temporary Wildlife Research Assistant . . . It has only been two years since Dee obtained her B.S. Degree in Wildlife Biology, but it is apparent she has more scientific projects to her credit than many young researchers could expect to attempt in five years.

Since her arrival to the Arboretum in June, 1980, Dee has been involved in a major flora and fauna inventory in the NYBG's hemlock forest; participated in rodenticide testing of voles in Ulster County; organized a wildlife program for children; developed a map indicating all vegetation types on the Arboretum grounds; participated in several deer management projects; and worked on numerous other projects in the Arboretum's Wildlife and Ecology Departments.

A recent highlight in her career was a presentation to the Country's leading horticulturists and botanists at the annual meeting of the AABGA (American Association of Botanical Gardens and

Arboreta). Her topic, "Restoring a Damaged Botanical Garden Ecosystem — A Case Study," was one of several subjects outlined throughout the three-day meeting on botanical subjects.

Originally from Newburgh, Dee now lives on the Arboretum grounds. She enjoys traveling, music, playing racketball and softball, and spends some of her free time collecting antiques and working on craft projects.

Dee has recently made a change in her career by expanding her repertoire of skills to include a knowledge of computers. "Learning about computers is a never-ending game," she laughs. "You are constantly challenged to solve problems."

Dee feels she is lucky to have found her niche in Wildlife Biology, and, as her co-workers will attest, the Cary Arboretum has been lucky to have such a diversified, career-oriented researcher.

# Around the Arboretum

At the Garden  
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## At a Glance

### Through November 21:

"Observations" — drawing by Elise Beecher.  
Plant Science Building.

### November 20:

Workshop: Corn Husk Flowers. Learn to make flowers of dried corn husks to accessorize your Thanksgiving and Christmas decor. Section A: 9:30 a.m.-noon; Section B: 1-3:30 p.m.

### November 21:

Slide Lecture: "Impressions and Instruments of Africa" by Linda Wanaselja. 3 p.m.

### December 4:

Christmas Sale for Members. 1-5 p.m.

### December 5:

Christmas Sale, 1-5 p.m.

### December 11:

Christmas Workshop: Evergreen Wreath.

1-3:30 p.m.

### December 12:

Gallery Reception and opening: Exhibit of natural Christmas tree ornaments. 1:30-4 p.m. in the Plant Science Building. Through January 3.

### December 18:

Christmas Workshop: Centerpiece; 9:30 a.m.-noon.

### December 18:

Christmas Workshop: Table-top Christmas tree. 1-3:30 p.m.

\*Unless otherwise noted, all mentioned programs and activities will be held at the Arboretum's Gifford House, Route 44A.

### Tours . . .

through the greenhouse complex and solar-heated Plant Science Building are conducted on Wednesdays and Sundays, 1:30-3:30 p.m.

### Cary Gift Shop

Hours: Tuesday through Friday 11 a.m.-4:30 p.m.

Weekends: 1:30-4:30 p.m.

Visa and Master Card accepted.

## Exhibit a Tree!

Register by November 19 for the Cary Arboretum's second annual display of Christmas trees decorated with natural ornaments.

Straw flowers, seashells, Queen Anne's lace, herbs and spices, winter fruits and berries,

feathers and citrus fruits are among the suggested natural materials that can be used as decorations.

Several individuals and garden clubs that participated in last year's exhibit are re-planning uniquely creative displays for this season's exhibit, which begins with a gallery reception on December 12, 1:30 to 4 p.m.

There is still time to register to participate in this year's exhibit! For more information, please contact Mrs. Jeanette Gorman (914) 677-5343.

## Attention Skiers

Members of the "Friends of the Cary Arboretum" wishing to take advantage of cross-country skiing privileges at the Arboretum this winter please take note:

A pre-ski seminar is mandatory for those who want to ski on the Arboretum grounds. It will be held at 10 a.m. on Saturday, December 11 at the Plant Science Building, Route 44A.

The one-hour program, conducted by Arboretum Education Coordinator Dr.

This year's Christmas display in the Enid A. Haupt Conservatory will be an international holiday show featuring handmade decorations for Christmas trees and an exhibition of Christmas botanical art. Plan a visit to the Garden between December 11 and January 2 for this well-known seasonal show.

The Enid A. Haupt Conservatory is open Tuesday through Sunday, 10 a.m. to 5 p.m. Members of the Arboretum are admitted free to the Conservatory, and Wednesday is "free day," when the general public is also admitted without charge.

Peter Dykeman, will include an outline of skiing rules and regulations, guest privileges, and training about Arboretum winter land use: To protect the plantings and projects that cannot be disturbed, this information is considered essential, and no permit will be issued to anyone who does not register and attend.

To register for the program, which is offered free of charge, please call Mrs. Marcia Davis (914) 677-5358.

## Oakleigh B. Thorne To Lead Annual Appeal

Mr. Oakleigh B. Thorne, Millbrook resident and member of the Cary Arboretum Committee of the New York Botanical Garden's Board of Managers, will lead the 1982 Annual Appeal.

The Appeal to members, supporters, and friends of the Arboretum is scheduled to begin in mid-November. This fifth annual gift appeal will help provide program funds for the coming year. Every dollar raised through appeal goes directly to Arboretum projects. More than one-third of the general support money the Cary Arboretum needs must come from unassured sources.

## Cary Receives Museum Accreditation

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national organization that serves the needs of museums and museum professionals throughout the United States. Its 7,000 members include museums of all sizes and disciplines — art, science, zoos, aquariums, planetariums, libraries, arboreta and science/technology centers. Individual members represent a variety of museum professionals, trustees and volunteers.

Unless otherwise noted, text and photographs by Robin Parow-Place.

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of  
THE NEW YORK  
BOTANICAL GARDEN**

Box AB  
Millbrook, New York 12545

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U.S. Postage  
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